

Listing the of Claims:

Please withdraw claims 97-115 submitted with the Request for Continued Examination filed on November 18, 2005 and replace them with claims 80-96, which were pending as of the time the RCE was filed.

The following listing of the claims replaces all prior versions and listings of claims in the present application:

1 through 79 (Cancelled).

80. (Currently amended) A robotic system for ~~moving a sample or tissue~~ fixation of a tissue sample, comprising:

~~a robot;~~

~~a sample or tissue sample;~~ and

an ultrasound transducer;

a central processing unit; and

~~wherein said a robot that moves said sample or the tissue sample and said the~~
ultrasound transducer from a first reaction chamber to a second reaction chamber.

81. (Canceled.)

82. (Previously presented) The robotic system of claim 80 wherein said robot is controlled by a central processing unit.

83. (Previously presented) The robotic system of claim 81 wherein said robot is controlled by a central processing unit which processes information from said one or more sensors.

84 through 91 (Cancelled).

92. (Currently amended) A system ~~of robotics for moving a sample or tissue~~
fixation of a tissue sample comprising:

a sample or tissue;

an ultrasound transducer; and

a means for moving said sample or tissue and said ultrasound transducer from a first reaction chamber to a second reaction chamber.

93. (Currently amended) The system ~~of robotics~~ of claim 92, wherein said means for

moving comprises a robotic system that moves one or more sensors from said first reaction chamber to said second reaction chamber.

94. (Currently amended) The system of ~~robotics~~ of claim 93, wherein said means for moving is controlled by a central processing unit.

95. (Currently amended) The system of ~~robotics~~ of claim 93, wherein said means for moving is controlled by a central processing unit which processes information from said one or more sensors.

96. (Currently amended) The system of ~~robotics~~ of claim 93, wherein said means for moving is a robot.

97. (New). The system of claim 80 wherein the first reaction chamber contains a fixative.

98. (New). The system of claim 80 wherein the next reaction chamber contains ethanol.

99. (New). The system of claim 80 wherein the next reaction chamber contains xylene.

100. (New). The system of claim 80 wherein the next reaction chamber contains paraffin at 60° C.

101. (New). The system of claim 92 further comprising an ultrasound transducer having two or more heads.

102. (New). The system of claim 101 wherein a first head of the transducers produces an ultrasound frequency that is different from the ultrasound frequency of a second head.

103. (New). The system of claim 92 further comprising two or more ultrasound transducers.

104. (New). The system of claim 103 wherein the each of the transducers produces an ultrasound frequency different from the ultrasound frequency produced by at least one other transducer.